

Lawrence M. (Marty) Murphy
National Renewable Energy Laboratory (NREL)

Dr. Lawrence M. (Marty) Murphy manages the Enterprise Development Programs at the National Renewable Energy Laboratory (NREL), including NREL's Industry Growth Forums. These forums are aimed at building linkages and relationships among renewable and energy efficiency industries, the business/financial communities, and the National Alliance of Clean Energy Business Incubators (a program that Dr. Murphy conceived and implemented). He brings more than 30 years of experience to enterprise development and the development of innovative technology. At NREL, Dr. Murphy and his teams (which, at times, have included nearly 100 people), have been responsible for the development of numerous technologies, including five that are part of commercial products. He also spearheaded the development of a world-class, high-flux, solar facility, which also is a designated National User Center at NREL.

While at NREL, he has served in various capacities including principal scientist, group manager, branch manager, and division director (with more than 90 staff), leading up to his current position. He and his teams also have been responsible for initiating and executing several new renewable energy development program initiatives within the Department of Energy (DOE).

Before joining NREL, Dr. Murphy managed the Solar Office for the California Energy Commission, where he was responsible for developing numerous successful solar-technology development initiatives. He began his career with the Sandia Laboratory, where he was a resident expert/consultant in solid mechanics, structures, and shock wave physics; and in senior project positions that included a \$200 million hardware weapons development project and the \$140 million Barstow Central Receiver Solar Pilot Plant.

Dr. Murphy received his bachelor's, master's, and Ph.D. degrees in Engineering Science (with an emphasis in structures) from the University of Notre Dame. He also has authored five patents, as well as more than 85 journal articles and major reports. Dr. Murphy also is a fellow of the American Society of Mechanical Engineers and a licensed professional engineer in California.